AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended): A method for evaluating a transformer design using data representing test results from a plurality of transformers having the transformer design, the data being stored in a data base, the method-comprising:

comparing the data representing test results to predetermined criteria for the test results to determine whether the test results satisfy the predetermined criteria;

counting the number of the test results that do not satisfy the predetermined criteria; and

generating an indication that the transformer design needs further analysis only if at least a predetermined quantity of the test results do not satisfy the predetermined criteria; and

displaying the indication on a display device.

2. (Original): The method of claim 1, further comprising storing the data representing test results in the data base.

3. (Original): The method of claim 2, further comprising storing the data representing test results in a plurality of tables in the data base, each of the plurality of tables having the data representing test results for one particular type of test stored therein.

4. (Original): The method of claim 2, further comprising storing identifying data in the data base, the identifying data identifying at least one of a serial number, a design, and a design version of a particular one of the plurality of transformers from which a corresponding one of the data representing test results is obtained.

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5. (Original): The method of claim 1, wherein the predetermined criteria for the test results are stored in the data base.

6. (Original): The method of claim 1, wherein the predetermined criteria for the test results comprise at least one of a minimum, a maximum, a range, and a set of discrete values.

7. (Original): The method of clam 1, wherein the test results are results of acceptance testing.

8. (Previously Presented): The method of claim 5, wherein the predetermined criteria for the test results are stored in a table in the data base.

9. (Canceled).

10. (Original): The method of claim 6, wherein comparing the data representing test results to the predetermined criteria to determine whether the test results satisfy the predetermined criteria comprises determining whether the data representing test results is at least one of: (i) greater than the minimum; (ii) less than the maximum; (iii) within the range; and (iv) substantially equal to at least one of the predetermined discrete values.

11. (Original): The method of claim 1, wherein the test results are the results of at least one of the following tests: load loss; no-load loss; impedance; transformation ratio; turn to turn faults; high potential; double induced; impulse; heat run; sound level; short circuit; and tank pressure.

12. (Previously Presented): The method of claim 1, further comprising sending the indication to a computing device.

13. (Original): The method of claim 1, further comprising defining the data base.

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14. (Original): The method of claim 13, wherein defining the data base comprises selecting the type of the test results included in the data base.

15. (Original): The method of claim 13, wherein defining the data base further comprises selecting the predetermined criteria.

16. (Previously Presented): The method of claim 1, wherein the predetermined quantity of the test results is a predetermined numerical total.

17. (Previously Presented): The method of claim 1, wherein the predetermined quantity of the test results is a predetermined percentage of the test results.

18. (Original): The method of claim 5, further comprising selecting the predetermined criteria from the data base based on at least one of one of the transformer design and a version of the transformer design.

Claims 19-37 (Canceled).

38. (Currently Amended): A computing system for evaluating a transformer design, the computing system comprising:

a computer having a display device and an application processing and storage area, the application processing and storage area comprising a computing engine and a database having test results for a plurality of transformers having the transformer design stored therein, the computing engine being configured to:

compare the data representing test results to predetermined criteria for the test results to determine whether the test results satisfy the predetermined criteria;

count the number of the test results that do not satisfy the predetermined criteria;

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generate an indication that the transformer design needs further analysis only if at least a predetermined number of the test results do not satisfy the predetermined criteria; and

display the indication on the display device.

39. (Canceled).

40. (Currently Amended): A method for evaluating a design for a transformer comprising:

(a.) providing a database comprising:

results of a test performed on each of a plurality of transformers;

criteria sets for evaluating the results of the tests, each criteria set being applicable to a particular transformer design; and

identification information associated with the criteria sets and the results of the tests, the identification data including transformer design identification;

(b.) retrieving the test results for a certain transformer design from the database using the identification information;

(c.) retrieving the criteria for the certain transformer design from the database using the identification information;

(d.) comparing the retrieved test results to the retrieved criteria;

(e.) counting the number of the retrieved test results that do not satisfy the retrieved criteria;

(f.) generating an indication that the certain transformer design needs further analysis only if at least a predetermined quantity of the retrieved test results do not satisfy the retrieved criteria; and

(g.) displaying the indication on a display device.

41. (Previously Presented): The method of claim 40, wherein the predetermined quantity of the test results is a predetermined numerical total.

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42. (Previously Presented): The method of claim 40, wherein the predetermined quantity of the test results is a predetermined percentage of the test results.

43. (Previously Presented): The method of claim 40, wherein the test is selected from the group consisting of no-load loss, impedance, transformation ratio, turn to turn faults, high potential, double induced, impulse, and heat run.

44. (Previously Presented): The method of claim 40, further comprising:
determining that the certain transformer design over-performs if the retrieved test results consistently exceed the retrieved criteria; and
modifying the certain design to reduce the cost of components required by the transformer design.